

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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Patent Application of:  
Hiroyuki ASANUMA et al.

Application No.: 10/590,777

Confirmation No.: 1156

Filed: January 4, 2007

Art Unit: 1633

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For: DNA ENZYME AND METHOD FOR  
CONTROLLING ACTIVITY THEREOF

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Examiner: J. SCHULTZ

**AMENDMENT UNDER 37 C.F.R. § 1.116**

**MS AF**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**INTRODUCTORY COMMENTS**

In reply to the Office Action dated June 15, 2010, the following amendments and remarks are respectfully submitted in connection with the above-identified application.

**Amendments to the Claims** begin on page 2.

**Remarks** begin on page 6.

**Attachment:** definition for “periphery” from the Merriam-Webster Online Dictionary